What is claimed is:

- 1. A graphics rendering software program for providing instructions to one or more processors to render graphics on a display of an embedded computing device configured for establishing a network connection with at least one other computing device, comprising:
 - (a) an application layer;
 - (b) a graphics toolkit; and
 - (c) a graphics driver, including:
- (1) a shape function layer including a target architecture specific instruction set for setting and retrieving pixel values, respectively, into and from a one-dimensional framebuffer memory; and
- (2) a framebuffer access macro layer including a set of macros for inlining into the shape function layer.
- 2. The graphics rendering software program of Claim 1, wherein the shape function layer is inlined into the application layer.
- 3. The graphics rendering software program of Claim 1, wherein the macros include scanline access instructions.
- 4. The graphics rendering software program of Claim 3, wherein the scanline access instructions are formulated to use scanline cells.
- 5. The graphics rendering software program of Claim 4, wherein the scanline cells include a smallest addressable scanline unit holding pixel information.

- 6. The graphics rendering software program of Claim 3, wherein the scanline access instructions are reformulated from known algorithms to use scanline cells.
- 7. The graphics rendering software program of Claim 6, wherein the scanline cells include a smallest addressable scanline unit holding pixel information.
- 8. A method for rendering graphics on a display of an embedded computing device configured for establishing a network connection with at least one other computing device, comprising the steps of:
- (a) setting and retrieving pixel values, respectively, into and from a onedimensional framebuffer memory of a shape function layer of a graphics rendering software running on the embedded computing device; and
 - (b) inlining macros into the shape function layer.
- 9. The method of Claim 8, further comprising the step of inlining the shape function layer into an application layer.
- 10. The method of Claim 8, wherein the macros include scanline access instructions.
- 11. The method of Claim 10, wherein the scanline access instructions are formulated to use scanline cells.
- 12. The method of Claim 11, wherein the scanline cells include a smallest addressable scanline unit holding pixel information.

- 13. The method of Claim 10, wherein the scanline access instructions are reformulated from known algorithms to use scanline cells.
- 14. The method of Claim 13, wherein the scanline cells include a smallest addressable scanline unit holding pixel information.
- 15. A graphics driver of a graphics rendering software program for providing instructions to one or more processors to render graphics on a display of an embedded computing device configured for establishing a network connection with at least one other computing device, comprising:
- (a) a shape function layer including a target architecture specific instruction set for setting and retrieving pixel values, respectively, into and from a one-dimensional framebuffer memory; and
- (b) a framebuffer access macro layer including a set of macros for inlining into the shape function layer.
- 16. The graphics driver of Claim 15, wherein the shape function layer is inlined into the application layer.
- 17. The graphics driver of Claim 15, wherein the macros include scanline access instructions.
- 18. The graphics driver of Claim 17, wherein the scanline access instructions are formulated to use scanline cells.

- 19. The graphics driver of Claim 18, wherein the scanline cells include a smallest addressable scanline unit holding pixel information.
- 20. The graphics driver of Claim 17, wherein the scanline access instructions are reformulated from known algorithms to use scanline cells.
- 21. The graphics driver of Claim 20, wherein the scanline cells include a smallest addressable scanline unit holding pixel information.